

Class 49 takes care before 59 which
is before 242 and 74 in the classification
hierarchy 49/324+

June 2004

GROUP III. BODY TREATMENT AND CARE, HEATING AND COOLING, MATERIAL HANDLING AND TREATMENT, MECHANICAL MANUFACTURING, MECHANICAL POWER, STATIC, AND RELATED ARTS I-19

<u>Class</u>	<u>Subject</u>	<u>Class</u>	<u>Subject</u>
505*	SUPERCONDUCTOR TECHNOLOGY: APPARATUS, MATERIAL, PROCESS	12	.. Boot and Shoe Making
		69	. Leather Manufactures
		112	. Sewing
	BODY TREATMENT CARE, ADORNMENT (See also Group I, Class 424, Drug, Bio-Affecting and Body Treating Compositions.)		
	433 . Dentistry		
623	. Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	449	. Bee Culture
		452	. Butchering
	128 . Surgery	43	. Fishing, Trapping, and Vermin Destroying
	600 . Surgery		
601	. Surgery: Kinesitherapy	47	. Plant Husbandry
602	. Surgery: Splint, Brace, or Bandage	119	. Animal Husbandry
		54	.. Harness
	604 . Surgery		
	606 . Surgery	168	.. Farriery
607	. Surgery: Light, Thermal, and Electrical Application	231	.. Whips and Whip Apparatus
			TEACHING
	132 . Toilet	434	. Education and Demonstration
	63 . Jewelry	40	. Card, Picture, and Sign Exhibiting
27	. Undertaking	472	AMUSEMENT DEVICES
	APPAREL AND RELATED ARTS		
2	. Apparel	463	. Amusement Devices: Games
223	.. Apparel Apparatus	473	.. Games Using Tangible Projectile
450	.. Foundation Garments	273	.. Amusement Devices: Games
36	. Boots, Shoes, and Leggings	446	. Amusement Devices: Toys

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124	. Mechanical Guns and Projectors	182	. . Fire Escape, Ladder, or Scaffold
482	. Exercise Devices	220	RECEPTACLES
99*	FOODS AND BEVERAGES: APPARATUS	312	. Supports: Cabinet Structure
/275-450	(See also Group I, Class 426, for food compositions and processes.)	190	. Trunks and Hand-Carried Luggage
HEATING, COOLING (See also Group II, Class 219, for electric heating.)		206	. Special Receptacle or Package
62	. Refrigeration	215	. Bottles and Jars
237	. Heating Systems	229	. Envelopes, Wrappers, and Paperboard Boxes
236	. Automatic Temperature and Humidity Regulation	150	. Purses, Wallets, and Protective Covers
432	. Heating	383	. Flexible Bags
122	. Liquid Heaters and Vaporizers	217	. Wooden Receptacles
126	. Stoves and Furnaces	248	SUPPORTS
431	. Combustion	5	. . Beds
110*	. . Furnaces (Solid or Combined Fuels)	297	. . Chairs and Seats
165	. Heat Exchange	211	. . Supports: Racks
BUILDINGS		108	. . Horizontally Supported Planar Surfaces
135	. Tent, Canopy, Umbrella, or Cane	CLOSURES, PARTITIONS, PANEL (Building and receptacle classes for other closures, partitions, and panels)	
109	. Safes, Bank Protection, or a Related Device	267*	. Spring Devices (Support Type)
52	. Static Structures (e.g., Buildings)	/ 80-112	
14	. . Bridges	Note. See also: (1) 267/2-68 and 140.11-141.7	
404	. . Road Structure, Process, or Apparatus		

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	(2) 267/1.5, 69-140, and 142-182	175	. Boring or Penetrating the Earth
49	. Movable or Removable Closures	111	. Planting
160	. Flexible or Portable Closure, Partition, or Panel	171	. Unearthing Plants or Buried Objects
	256 . Fences	37	. Excavating
TEXTILES			
8*	. Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	56	. Harvesters
/147-159	(See also Group I for processes and compositions.)	172	. Earth Working
289	. Knots and Knot Tying	194	CHECK-ACTUATED CONTROL MECHANISMS
28	. Textiles: Manufacturing	DISPENSING	
26	. . Textiles: Cloth Finishing	(For the distribution of this art, see notes to definitions of Class 222, Dispensing, and Class 220, Receptacles.)	
66	. . Textiles: Knitting	453	. Coin Handling
87	. . Textiles: Braiding, Netting, and Lace Making	141	. Fluent Material Handling, with Receiver or Receiver Coacting Means
139	. . Textiles: Weaving	169	. Fire Extinguishers
57	. . Textiles: Spinning, Twisting, and Twining	291	. Track Sanders
19	. . Textiles: Fiber Preparation	239	. Fluid Sprinkling, Spraying, and Diffusing
EARTH WORKING AND AGRICULTURAL MACHINERY			
405	. Hydraulic and Earth Engineering	222	. Dispensing
299	. Mining or In Situ Disintegration of Hard Material	221	. . Article Dispensing
166	. Wells	232	. Deposit and Collection Receptacles
		414	MATERIAL OR ARTICLE HANDLING
		258	. Railway Mail Delivery

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186	. Merchandising	114	. Ships /255-19 and 26-382 (schedule sequence) (See also Group II, Class 114/20.1-25, for ship launched torpedoes.)
406	. Conveyors: Fluid Current	441	. Buoys, Rafts, and Aquatic Devices
212	. Traversing Hoists	440	. . Marine Propulsion
198	. Conveyors: Power-Driven	191	. Electricity: Transmission to Vehicles
187*	. Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle /200-246, 249-298, 300-315, 318-379, 400-414 (schedule sequence) (See also Group II, Electric Control.)	104	. Railways
193	. Conveyors, Chutes, Skids, Guides, and Ways	246	. . Railway Switches and Signals
224	. Package and Article Carriers	105	. . Railway Rolling Stock
294	. Handling: Hand and Hoist-Line Implements	238	. . Railways: Surface Track
901	. Robots (Note: This is a Cross-Reference Art Collection and does not accept applications.)	280	. Land Vehicles (e.g., chassis and running gear)
137	FLUID HANDLING	298	. . Land Vehicles: Dumping
454	. Ventilation	180	. . Motor Vehicles
4	. Baths, Closets, Sinks, and Spittoons	296	. Land Vehicles: Bodies and Tops (See Class 74, in this group, for machine element or mechanism.)
138	. Pipes and Tubular Conduits	301	. Land Vehicles: Wheels and Axles
251	. Valves and Valve Actuation	295	. . Railway Wheels and Axles
VEHICLES			
244	. Aeronautics /1-13, 15-153A (schedule sequence) (See also Group II, Class 244/14, for aerial torpedoes.)	152	. . Resilient Tires and Wheels
305	. Wheel Substitutes for Land Vehicles	213	. . Railway Draft Appliances
278	. . Land Vehicles: Animal Draft Appliances		

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293	. Vehicle Fenders	184	. Lubrication
267*	. Spring Devices /2-68, 140.11-141.7 (schedule sequence)	101	. Printing
	Note. See also: (1) 267/80-112 (2) 267/1.5, 69-140 and 142-182	400	.. Typewriting Machines
410	FREIGHT ACCOMMODATION ON FREIGHT CARRIER	401	. Coating Implements With Material Supply
MOTORS, ENGINES, PUMPS (See also Group II, Electricity, for electric motors.)		281	. Books, Strips, and Leaves
60	. Power Plants /200.1-204, 221-721 (schedule sequence)	462	. Books, Strips, and Leaves for Manifolding
	(See also Group II for chemical reaction motors, subclasse	283	. Printed Matter
123	. Internal-Combustion Engines	MANUFACTURING, ASSEMBLING, INCLUDING SOME CORRELATIVE MISCELLANEOUS PRODUCTS	
417	. Pumps	164	. Metal Founding
91	. Motors: Expansible Chamber Type	266	. Metallurgical Apparatus
415	. Rotary Kinetic Fluid Motors or Pumps	29*	. Metal Working (General Manufacturing) /1.1-25.42, 81.01-91.8, 560, 560.1, 284
416	. Fluid Reaction Surfaces (i.e., Impellers)	Note. See also: (1) 29/592-559 (2) 29/700-824	
185	. Motors: Spring, Weight, or Animal Powered	(3) 29/650 (4) 29/76.1-77, 33R-33T (5) 29/213.1-283	
418	. Rotary Expansible Chamber Devices	(schedule sequence)	
92	. Expansible Chamber Devices	412	. Bookbinding: Process and Apparatus
COATING, PRINTING, AND PRINTED MATERIAL; STATIONERY, BOOKS		53	. Package Making
118	. Coating Apparatus (See also Group I, Class 427, Coating Processes.)		

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59	. Chain, Staple, and Horseshoe Making	29*	. Metal Working (Assembling Apparatus) /700-824
76	. Metal Tools and Implements, Making		Note. See also:
	79 . Button Making		(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284
493	. Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web		(2) 29/592-559
	131 . Tobacco		(3) 29/650
	147 . Coopering	29*	(4) 29/76.1-77, 33R-33T
			(5) 29/213.1-283
157	. Wheelwright Machines		
163	. Needle and Pin Making		Note. See also:
227	. Elongated-Member-Driving Apparatus		(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284
270	. Sheet-Material Associating		(2) 29/592-559
300	. Brush, Broom, and Mop Making		(3) 29/700-824
445	. Electric Lamp or Space Discharge Component or Device Manufacturing		(4) 29/76.1-77, 33R-33T
29*	. Metal Working (Methods) /592-559		(5) 29/213.1-283
	Note. See also:		
	(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284		
	(2) 29/700-824		
	(3) 29/650		
	(4) 29/76.1-77, 33R-33T		
	(5) 29/213.1-283		
	(schedule sequence)		
			CUTTING, COMMINUTING, AND MACHINING
		483	. Tool Changing
		234	. Selective Cutting (e.g., Punching)
		460	. Crop Threshing or Separating
		241	. Solid Material Commination or Disintegration
		470	. Threaded, Headed Fastener, or Washer Making: Process and Apparatus

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29*	. Metal Working (Miscellaneous Machining) /76.1-77, 33R-33T	425	. Plastic Article or Earthenware Shaping or Treating: Apparatus (See also Group I, Class 264, Plastic and Nonmetallic Article Shaping or Treating: Processes.)
	Note. See also: (1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284 (2) 29/592-559 (3) 29/700-824 (4) 29/650 (5) 29/213.1-283 (schedule sequence)	100	. Presses
407	. Cutters, for Shaping	413	. Sheet Metal Container Making
30	. Cutlery	140	. Wireworking
451	. Abrading	228	. Metal Fusion Bonding
408	. Cutting by Use of Rotating Axially Moving Tool	249	. Static Molds
82	. Turning		MISCELLANEOUS TREATING (See Group I for chemical treatment and physical separation.)
83	. Cutting	494	. Imperforate Bowl: Centrifugal Separators
409	. Gear Cutting, Milling, or Planing	209	. Classifying, Separating, and Assorting Solids
125	. Stone Working	366	. Agitating
144	. Woodworking	134*	. Cleaning and Liquid Contact With Solids /43-201 (See also Group I for cleaning processes.)
142	. Wood Turning	34	. Drying and Gas or Vapor Contact With Solids
225	. Severing by Tearing or Breaking	68	. Textiles: Fluid Treating Apparatus
72	. Metal Deforming	38	. Textiles: Ironing or Smoothing
		15	. Brushing, Scrubbing, and General Cleaning
			HANDLING OR STORING SHEETS, WEBS, STRANDS, AND CABLE
		402	. Binder Device Releasably Engaging Aperture or Notch of Sheet

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226	. Advancing Material of Indeterminate Length	/1-134.7, 418-427	
242	. Winding, Tensioning, or Guiding	269	. Work Holders
254*	. Implements or Apparatus for Applying Pushing or Pulling Force (Cable Hauling or Strand Placing)	303	. Fluid-Pressure and Analogous Brake Systems
/199-417		16*	MISCELLANEOUS HARDWARE
271	. Sheet Feeding or Delivering	/2.1-220, 400-404	
471		(See also 16/221-392)	
74	MACHINE ELEMENT OR MECHANISM	70	. Locks
475	. Planetary Gear Transmission Systems or Components	267*	. Spring Devices
474	Endless Belt Power Transmission Systems or Components	/1.5, 69-140, 142-182	
476	. Friction Gear Transmission Systems or Components		Note. See also:
477	. Interrelated Power Delivery Controls, Including Engine Control	(1) 267/80-112	
492	. Roll or Roller	(2) 267/2-68, 140.11, 141.7	
464	. Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts		TOOLS
384	. Bearings	7	. Compound Tools
173	. Tool Driving or Impacting	29*	. Metal Working (Assembling Devices)
188	. Brakes	/213.1-283	
192	. Clutches and Power-Stop Control		Note. See also:
254*	. Implements or Apparatus for Applying Pushing or Pulling Force (Force Multipliers)	(1) 29/1.1-25.42, 81.01-91.8, 560, 560.1, 284	
		(2) 29/592-559	
		(3) 29/650	
		(4) 29/700-824	
		(5) 29/76.1-77, 33R-33T	
			81 . Tools
		403	JOINTS AND CONNECTIONS
		439	. Electrical Connectors

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